### IEEE P802.11 Wireless LANs

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| PHY Comment resolution for Clause 30.2 | | | | |
| Date: 2019-11-08 | | | | |
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Abstract

This submission proposes resolutions for comments of TGba Draft D4.0 with the following CIDs: 4133.

Note: All the cross-reference is with respect to TGba Draft 4.0

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 4133 | 134.27 | 30.2.1 | WUR\_PHY-CONFIG\_VECTOR is not defined. | Please remove WUR\_PHY-CONFIG\_VECTOR in 30.2.1 (2 occurrences). | Revised.  Agree in principle with the inconsistency in usage of the term. Replaced the term “WUR\_PHY-CONFIG\_VECTOR” with “PHY-CONFIG\_VECTOR”.  TGba Editor to make changes as shown in 802.11-19/1954r0 with CID #4133. |

***Discussion*:**

In the current spec, the FORMAT parameter value in RXVECTOR is “N”. This parameter was mistakenly changed from “Y” to “N” during the TGba D3.0 comment resolution, to address CID 3313. The intention of the CID, and the corresponding comment resolution, was that Receiver will not be aware of whether the transmission was WUR Basic PPDU in 20 MHz or WUR FDMA PPDU in 40 or 80MHz. However, receiver can determine if the format is WUR PPDU or non-WUR PPDU. This format information needs to be communicated by the receiver PHY to the MAC, to enable early termination of the packet. For this reason, we propose to change the FORMAT parameter value in RXVECTOR from “N” to “Y”.

***TGba editor: Change the following paragraphs in 30.2 WUR PHY service interface: (Track change on) (#4133)***

* **WUR PHY service interface**
* **Introduction**

The WUR PHY provides an interface to the WUR MAC. The interface includes TXVECTOR, RXVECTOR and PHY-CONFIG\_VECTOR.

Using the TXVECTOR, the MAC supplies the PHY with per PPDU transmit parameters. Using the RXVECTOR, the PHY informs the MAC of the received PPDU parameters. Using the PHY-CONFIG\_VECTOR, the MAC configures the PHY for operation, independent of frame transmission or reception.

* **TXVECTOR and RXVECTOR parameters**

The parameters in Table 30-1 (TXVECTOR and RXVECTOR parameters) are defined as part of the TXVECTOR parameter list in the PHY-TXSTART.request primitive and/or as part of the RXVECTOR parameter list in the PHY-RXSTART.indication and PHY\_RXEND.indication primitives.

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| * **TXVECTOR and RXVECTOR parameters (continued)** | | | | |
| **Parameter** | **Condition** | **Value** | **TXVECTOR** | **RXVECTOR** |
| FORMAT |  | Determines the format of the PPDU.  Enumerated type:   * WUR\_BASIC indicates WUR Basic PPDU format in TXVECTOR. * WUR\_FDMA indicates WUR FDMA PPDU format in TXVECTOR. * WUR indicates WUR PPDU format in RXVECTOR.   (#3124) | Y | Y |
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